Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-65. (Cancelled)

66. (New) An isolated nucleic acid molecule comprising:

(i) a first nucleic acid sequence that encodes a vacuole targeting polypeptide; and

(ii) a second nucleic acid sequence, linked in operable combination to the first nucleic acid sequence, that encodes a biotin binding protein selected from the group consisting of:

(a) avidin;

(b) streptavidin;

(c) CORE streptavidin;

(d) synthetic CORE streptavidin; or

(e) SYNSAV.

67. (New) The nucleic acid molecule of claim 66, wherein the vacuole targeting polypeptide is a potato proteinase inhibitor signal polypeptide.

68. (New) The nucleic acid molecule of claim 67, wherein the vacuole targeting polypeptide is a potato proteinase inhibitor I signal polypeptide.

69. (New) The nucleic acid molecule of claim 67, wherein the vacuole targeting polypeptide is a potato proteinase inhibitor II signal polypeptide.

70. (New) The nucleic acid molecule of claim 66, wherein the biotin binding protein is avidin.

71. (New) The nucleic acid molecule of claim 66, wherein the biotin binding protein is streptavidin.

72. (New) The nucleic acid molecule of claim 71, wherein streptavidin is a member selected from the group consisting of: Core streptavidin, synthetic Core streptavidin, and SYNSAV.

73. (New) The nucleic acid molecule of claim 71, wherein the streptavidin is encoded by the sequence set forth in SEQ ID NO:10.

74. (New) The nucleic acid molecule of claim 66, wherein the vacuole targeting polypeptide is a potato proteinase inhibitor I polypeptide and the biotin binding protein is avidin.

75. (New) The nucleic acid molecule of claim 66, wherein the vacuole targeting polypeptide is a potato proteinase inhibitor II signal polypeptide and the biotin binding protein is streptavidin.

76. (New) The nucleic acid molecule of claim 77, wherein the vacuole targeting sequence is an N-terminal targeting polypeptide.

77. (New) The nucleic acid molecule according to claim 66, wherein said nucleic acid molecule is a DNA molecule.

78. (New) A vector comprising the nucleic acid molecule according to claim 77.

79. (New) A host cell transformed with the vector according to claim 78.

80. (New) The host cell according to claim 79, wherein said cell is a plant cell.

81. (New) A method for producing the biotin-binding protein encoded by, said method comprising the steps of:

(a) culturing a host cell which has been transformed with a vector comprising the nucleic acid molecule according to claim 77; and

(b) recovering the expressed protein.

82. (New) A method for producing a pest resistant plant, said method comprising transforming the plant genome to include at least one nucleic acid molecule according to claim 77.

83. (New) A transgenic plant that comprising the nucleic acid molecule according to claim 77.

84. (New) A transgenic plant expressing pesticidally effective concentrations of the biotin-binding protein encoded by the nucleic acid molecule according to claim 66.

85. (New) A method for producing a biotin-binding protein, said method comprising extracting the protein from a plant transformed with the nucleic acid molecule according to claim 67.

86. (New) Seed that is the product of the plant according to claim 73, wherein the seed comprises the nucleic acid molecule according to claim 66.